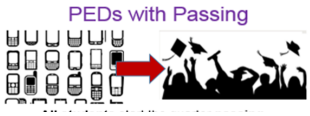
SWBAT

identify direction of velocity and acceleration

Sep 4-7:31 AM

SECA CP Physics
Wednesday 11 November 2015

Welcome!!!



H. Leslie Grebe
Room C-244

Centering (animals)

- Open to page 33 & 35 for check-off

Opening Activity:

PG 35

What was the point of the video?

EXAMPLES UAM

↳ a IS CONSTANT

5 VARIABLES
4 EQUATION

http://www.buzzfeed.com/elainawahl/baby-animals-are-actual-sunshine#.ucg2PwNMP

Sep 7-7:04 AM

InterActive Notebook - Table of Contents

Unit_____ Chapters_____ Date_____

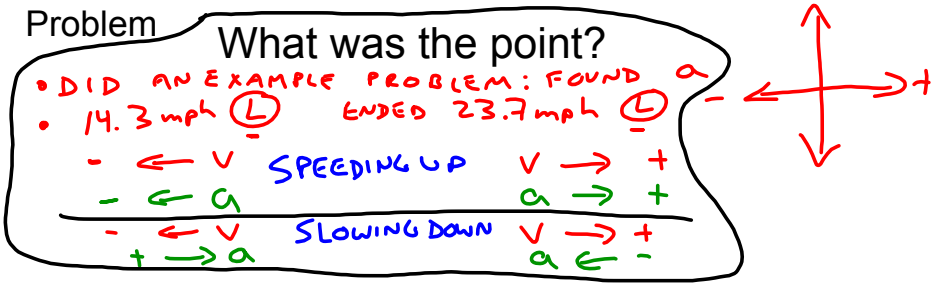
Sep 5-9:09 AM

Hmwk Pg 33 due Tuesday 11/10:

Flipping Physics: Basic Acceleration Example Problem

What was the point?

- DID AN EXAMPLE PROBLEM: FOUND a
- 14.3 mph (L) ENDED 23.7 mph (L)



Hmwk Pg 35 due Wednesday 11/11

Flipping Physics: Introduction to Uniformly Accelerated Motion

Pg 31: Calculate acceleration!

$V_1 = S_1 = {}^{+}41.7\ \frac{cm}{s}$ (R) $V_2 = S_2 = {}^{+}51.3\ \frac{cm}{s}$ $V_3 = S_3 = {}^{+}63.3\ \frac{cm}{s}$ (R)

$a = \frac{\Delta V}{\Delta t} = \frac{V_2 - V_1}{t_1} = \frac{{}^{+}51.3\ \frac{cm}{s} - {}^{+}41.7\ \frac{cm}{s}}{0.91s} = \frac{9.6\ \frac{cm}{s}}{0.91s} = 10.5\ cm/s/s$

Nov 9-8:19 AM

Direction of: L, R, 0 Pg 32

Scenario 1: Letting go of ball on left side

$v_{initial}$: 0 v_{middle}: R v_{final}: R

$a_{initial}$ (0) R a_{middle} R a_{final} R

DOES THE SPEEDOMETER GO R, L, 0 (0) SLOWING DOWN

Scenario 2: Rolling ball up track starting on the right

v_i L v_m 0 v_f R

a_i R a_m R 0 a_f R

ACC CAN'T BE 0 IF V IS CHANGING

U.A.M.

Scenario 3: Throwing ball up into the air U, D, 0

v_i ↑ v_m 0 v_f ↓

U.A.M. a_i ↓ a_m ↓ a_f ↓

Create a scenario with a car:

Nov 10-8:07 AM

Pg 34 - Let's make-up a problem

Nov 11-8:03 AM